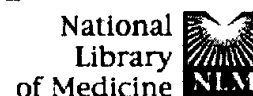


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L19	L18 AND luminescent	869	L19
L18	(cAMP OR cGMP)	22769	L18
L17	(cAMP or cGMP)	22769	L17
L16	L15 AND polarization	70	L16
L15	cyclic nucleotide	1997	L15
<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>			
L14	L13 AND cyclic nucleotide	13	L14
L13	((530/334 530/412 530/418)!.CCLS.)	1686	L13
L12	L11 AND cyclic nucleotide	30	L12
L11	(436/518)	5067	L11
L10	L4 AND cyclic nucleotide	72	L10
L9	L8 AND anisotropy	43	L9
L8	L4 AND polarization	374	L8
L7	L6 AND polarization	21	L7
L6	L5 AND cGMP	162	L6
L5	L4 AND cAMP	574	L5
L4	((435/7.1 435/70.21)!.CCLS.)	6289	L4
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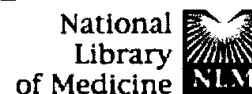
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=> S L1 AND assay

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=> S L2 AND polarization

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202432 POLARIZATION

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L3 14 L2 AND POLARIZATION

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L3 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2003 ACS

AN 2002:696167 CAPLUS

DN 137:211911

TI Regulatory element complex formation-based methods for determining the
biological effects of compounds on gene expression

IN Harper, Mary E.; Adams, Christopher C.; Labhart, Paul; Ballivet, Marc

PA Cistem Molecular Corporation, USA

SO PCT Int. Appl., 42 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002070746	A2	20020912	WO 2002-IB589	20020228
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRAI US 2001-272753P P 20010301

L3 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2003 ACS

AN 2002:578873 CAPLUS

DN 137:275183

TI A fluorescence ***polarization*** ***assay*** for cyclic
nucleotide phosphodiesterases

AU Huang, Wei; Zhang, Yan; Sportsman, J. Richard

CS Molecular Devices Corporation, Sunnydale, CA, USA

SO Journal of Biomolecular Screening (2002), 7(3), 215-222

CODEN: JBISF3; ISSN: 1087-0571

PB Mary Ann Liebert, Inc.

DT Journal

LA English

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L3 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2003 ACS

AN 2002:270493 CAPLUS
 DN 138:21600
 TI A homogeneous high throughput nonradioactive method for measurement of functional activity of Gs-coupled receptors in membranes
 AU Allen, Michael; Hall, David; Collins, Barbara; Moore, Keith
 CS Systems Research, Stevenage, Herts, UK
 SO Journal of Biomolecular Screening (2002), 7(1), 35-44
 CODEN: JBISF3; ISSN: 1087-0571
 PB Mary Ann Liebert, Inc.
 DT Journal
 LA English
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L3 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:598216 CAPLUS
 DN 135:175338
 TI Method for identifying substances which modulate the activity of hyperpolarization-activated cation channels
 IN Jansen, Hans-willi; Brueggemann, Andrea; Heitsch, Holger; Goegelein, Heinz
 PA Aventis Pharma Deutschland G.m.b.H., Germany
 SO PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001059153	A2	20010816	WO 2001-EP755	20010124
	WO 2001059153	A3	20020411		
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	RW:		GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
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	EP 1257819	A2	20021120	EP 2001-951152	20010124
	R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		
PRAI	DE 2000-10006309	A	20000212		
	WO 2001-EP755	W	20010124		

L3 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:369157 CAPLUS
 DN 136:31225
 TI Homogeneous cell-based fluorescence ***polarization*** ***assay*** for the direct detection of ***CAMP***
 AU Prystay, Linda; Gagne, Annie; Kasila, Patricia; Yeh, Li-An; Banks, Peter
 CS PerkinElmer Life Sciences, Montreal, QC, Can.
 SO Journal of Biomolecular Screening (2001), 6(2), 75-82
 CODEN: JBISF3; ISSN: 1087-0571
 PB Mary Ann Liebert, Inc.
 DT Journal
 LA English
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L3 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:242413 CAPLUS
 DN 135:15536
 TI Nuclear Import of Creb and AP-1 Transcription Factors Requires Importin-.beta.1 and Ran but Is Independent of Importin-.alpha.
 AU Forwood, Jade K.; Lam, Mark H. C.; Jans, David A.
 CS Nuclear Signaling Laboratory Division for Biochemistry and Molecular Biology, John Curtin School of Medical Research, Canberra City, Australia
 SO Biochemistry (2001), 40(17), 5208-5217
 CODEN: BICHAW; ISSN: 0006-2960
 PB American Chemical Society
 DT Journal
 LA English
 RE.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:881425 CAPLUS
 DN 134:27274
 TI Cell-signaling ***assays*** using cyclic nucleotides coupled to
 luminophores
 IN Sportsman, J. Richard; Kauvar, Lawrence M.
 PA LJI Biosystems, Inc., USA
 SO PCT Int. Appl., 64 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 17

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075662	A1	20001214	WO 2000-US16012	20000609
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG US 6258326 B1 20010710 US 1998-156318 19980918 EP 1101113 A1 20010523 EP 2000-944641 20000609 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, PT, IE, SI, LT, LV, FI, RO PRAI US 1999-138311P P 19990609 US 2000-182036P P 20000211 US 2000-200594P P 20000428 US 1997-59640P P 19970920 US 1998-85500P P 19980514 US 1998-89848P P 19980619 WO 2000-US16012 W 20000609				

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L3 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:476170 CAPLUS
 DN 133:192564
 TI Membrane physical properties do not explain increased cyclic AMP
 production in hepatocytes from rats fed menhaden oil
 AU Bizeau, Michael E.; Hazel, Jeffrey R.
 CS Department of Biology, Arizona State University, Tempe, AZ, 85287, USA
 SO Lipids (2000), 35(6), 595-600
 CODEN: LPDSAP; ISSN: 0024-4201
 PB AOCs Press
 DT Journal
 LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:193940 CAPLUS
 DN 132:319940
 TI Does membrane fluidity contribute to thermal compensation of
 .beta.-adrenergic signal transduction in isolated trout hepatocytes?
 AU McKinley, Susan J.; Hazel, Jeffrey R.
 CS Department of Biology, Arizona State University, Tempe, AZ, 85287-1501,
 USA
 SO Journal of Experimental Biology (2000), 203(3), 631-640
 CODEN: JEBIAM; ISSN: 0022-0949
 PB Company of Biologists Ltd.
 DT Journal
 LA English

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:15616 CAPLUS
 DN 130:163432
 TI Insulinotropic action of .beta.-L-glucose pentaacetate
 AU Malaisse, Willy J.; Best, Leonard C.; Herchuelz, Andre; Hiriart, Marcia;
 Dijkli, Hassan; Kadiata, Marcel M.; Larrieta-Carasco, Elena; Laghmich,

Aouatif; Louchami, Karim; Mercan, Dany; Olivares, Elizabeth; Sanchez-Soto, Carmen; Scruel, Olivier; Ser, Abdullah; Valverde, Isabel; Villanueva-Penacarrillo, Maria L.; Vinambres, Concepcion; Zawalich, Walter S.

CS Laboratories of Experimental Medicine and Pharmacology, Brussels Free University, Brussels, B-1070, Belg.
SO American Journal of Physiology (1998), 275(6, Pt. 1), E993-E1006
CODEN: AJPHAP; ISSN: 0002-9513
PB American Physiological Society
DT Journal
LA English

RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2003 ACS
AN 1999:7358 CAPLUS
DN 130:192624
TI The coactivator CBP stimulates human T-cell lymphotropic virus type I Tax transactivation in vitro
AU Kashanchi, Fatah; Duvall, Janet F.; Kwok, Roland P. S.; Lundblad, James R.; Goodman, Richard H.; Brady, John N.
CS Laboratory of Receptor Biology and Gene Expression, Division of Basic Sciences, National Cancer Institute, National Institutes of Health, Bethesda, MD, 20892, USA
SO Journal of Biological Chemistry (1998), 273(51), 34646-34652
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English

RE.CNT 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2003 ACS
AN 1998:485846 CAPLUS
DN 129:198285
TI Calcitonin gene-related peptide stimulates potassium efflux through adenosine triphosphate-sensitive potassium channels and produces membrane hyperpolarization in osteoblastic UMR106 cells
AU Kawase, Tomoyuki; Burns, Douglas M.
CS Dep. Pharmacology, Niigata Univ. School Dentistry, Niigata, 951, Japan
SO Endocrinology (1998), 139(8), 3492-3502
CODEN: ENDOAO; ISSN: 0013-7227
PB Endocrine Society
DT Journal
LA English

RE.CNT 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2003 ACS
AN 1997:723396 CAPLUS
DN 128:18846
TI Mechanism underlying corticotropin-releasing hormone (CRH) triggered cytosolic Ca²⁺ rise in identified rat corticotrophs
AU Lee, Andy K.; Tse, Amy
CS Department of Pharmacology, University of Alberta, Edmonton, AB, T6G 2H7, Can.
SO Journal of Physiology (Cambridge, United Kingdom) (1997), 504(2), 367-378
CODEN: JPHYA7; ISSN: 0022-3751
PB Cambridge University Press
DT Journal
LA English

L3 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2003 ACS
AN 1994:100437 CAPLUS
DN 120:100437
TI Physical studies on interaction of transcription activator and RNA-polymerase: fluorescent derivatives of CRP and RNA polymerase
AU Heyduk, Ewa; Heyduk, Tomasz
CS Med. Sch., St. Louis Univ., St. Louis, MO, 63104, USA
SO Cellular & Molecular Biology Research (1993), 39(4), 401-7
CODEN: CMBREW; ISSN: 0968-8773
DT Journal
LA English

=> s polarization

198425 POLARIZATION
9329 POLARIZATIONS
L4 202432 POLARIZATION
(POLARIZATION OR POLARIZATIONS)

=> s L4 AND cyclic nucleotide
258390 CYCLIC
304 CYCLICS
258511 CYCLIC
(CYCLIC OR CYCLICS)
310922 NUCLEOTIDE
103012 NUCLEOTIDES
361018 NUCLEOTIDE
(NUCLEOTIDE OR NUCLEOTIDES)
12523 CYCLIC NUCLEOTIDE
(CYCLIC(W)NUCLEOTIDE)
L5 39 L4 AND CYCLIC NUCLEOTIDE

=> D L5 1-39

L5 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2002:728323 CAPLUS
DN 138:11561
TI Posttranslational modulation of glucocorticoid feedback inhibition at the
pituitary level
AU Lim, Min Chin; Shipston, Michael J.; Antoni, Ferenc A.
CS Medical Research Council Brain Metabolism Unit, Department of
Neuroscience, University of Edinburgh, Edinburgh, EH8 9JZ, UK
SO Endocrinology (2002), 143(10), 3796-3801
CODEN: ENDOAO; ISSN: 0013-7227
PB Endocrine Society
DT Journal
LA English
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2002:670737 CAPLUS
DN 137:363553
TI Consequences of reduced production of NO on vascular reactivity of porcine
coronary arteries after angioplasty: Importance of EDHF
AU Thollon, Catherine; Fournet-Bourguignon, Marie Pierre; Saboureau,
Delphine; Lesage, Ludovic; Reure, Helene; Vanhoutte, Paul M.; Vilaine,
Jean Paul
CS Institut de Recherches Servier, Suresnes, 92150, Fr.
SO British Journal of Pharmacology (2002), 136(8), 1153-1161
CODEN: BJPCBM; ISSN: 0007-1188
PB Nature Publishing Group
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2002:603830 CAPLUS
TI Characterization of hyperpolarization activated ***cyclic***
nucleotide gated ion channels (HCN-channels) in the retina and the
brain of a rat
AU Scholten, Alexander
CS Inst. fuer Biol. Informationsverarbeitung, Germany
SO Berichte des Forschungszentrums Juelich (2001), Juel-3936, i-xi, 1-140
CODEN: FJBEE5; ISSN: 0366-0885
DT Report
LA German
RE.CNT 115 THERE ARE 115 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2002:578873 CAPLUS
DN 137:275183
TI A fluorescence ***polarization*** assay for ***cyclic***
nucleotide phosphodiesterases
AU Huang, Wei; Zhang, Yan; Sportsman, J. Richard
CS Molecular Devices Corporation, Sunnydale, CA, USA
SO Journal of Biomolecular Screening (2002), 7(3), 215-222
CODEN: JBISF3; ISSN: 1087-0571

PB Mary Ann Liebert, Inc.

DT Journal

LA English

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2003 ACS

AN 2002:577222 CAPLUS

DN 138:130821

TI Current-dependent block of rabbit sino-atrial node If channels by
ivabradine

AU Bucchi, Annalisa; Baruscotti, Mirko; DiFrancesco, Dario

CS Department of General Physiology and Biochemistry, Laboratory of Molecular
Physiology and Neurobiology, and INFM-Unita Milano Universita, Milan,
20133, Italy

SO Journal of General Physiology (2002), 120(1), 1-13

CODEN: JGPLAD; ISSN: 0022-1295

PB Rockefeller University Press

DT Journal

LA English

RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2003 ACS

AN 2002:451397 CAPLUS

DN 137:153325

TI Developmental febrile seizures modulate hippocampal gene expression of
hyperpolarization-activated channels in an isoform- and cell-specific
manner

AU Brewster, Amy; Bender, Roland A.; Chen, Yuncai; Dube, Celine;

Eghbal-Ahmadi, Mariam; Baram, Tallie Z.

CS Departments of Anatomy/Neurobiology, University of California at Irvine,
Irvine, CA, 92697-4475, USA

SO Journal of Neuroscience (2002), 22(11), 4591-4599

CODEN: JNRSDS; ISSN: 0270-6474

PB Society for Neuroscience

DT Journal

LA English

RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2003 ACS

AN 2002:319428 CAPLUS

DN 137:28526

TI Influence of adrenoceptor agonists and changes in intracellular
cyclic ***nucleotide*** concentration on the membrane
potential of the isolated endothelial cell layer from the rabbit aorta

AU Yarotsky, V. V.; Sagach, V. F.; Marchenko, S. M.

CS A. A. Bogomoletz Inst. Phys., Natl. Acad. Sci. Ukraine, Kiev, Ukraine

SO Fiziologichnii Zhurnal (Kiev, Ukraine) (2002), 48(1), 25-29

CODEN: FIZHFQ

PB Institut Fiziologii im. O. O. Bogomol'tsya NAN Ukrainy

DT Journal

LA Ukrainian

L5 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2003 ACS

AN 2001:912646 CAPLUS

DN 136:181852

TI Molecular and functional analysis of hyperpolarization-activated pacemaker
channels in the hippocampus after entorhinal cortex lesion

AU Brauer, Anja U.; Savaskan, Nicolai E.; Kole, Maarten H. P.; Plaschke,
Martina; Monteggia, Lisa M.; Nestler, Eric J.; Simburger, Eva; Deisz,
Rudolf A.; Ninnemann, Olaf; Nitsch, Robert

CS Dep. of Cell and Neurobiol., Inst. of Anat., Humboldt Univ. Hosp.
(Charite), Berlin, 10115, Germany

SO FASEB Journal (2001), 15(14), 2689-2701

CODEN: FAJOEC; ISSN: 0892-6638

PB Federation of American Societies for Experimental Biology

DT Journal

LA English

RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2003 ACS

AN 2001:871956 CAPLUS

DN 136:96496

TI ***Cyclic*** ***nucleotide*** -gated channels contribute to the
cholinergic plateau potential in hippocampal CA1 pyramidal neurons
AU Kuzmiski, J. Brent; MacVicar, Brian A.
CS Neuroscience Research Group, Department of Physiology and Biophysics,
University of Calgary, Calgary, AB, T2N 4N1, Can.
SO Journal of Neuroscience (2001), 21(22), 8707-8714
CODEN: JNRSDS; ISSN: 0270-6474
PB Society for Neuroscience
DT Journal
LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2001:773392 CAPLUS
DN 136:51744
TI Hyperpolarization-activated channels HCN1 and HCN4 mediate responses to
sour stimuli
AU Stevens, David R.; Selfert, Reinhard; Bufe, Bernd; Mueller, Frank;
Kremmer, Elisabeth; Gauss, Renate; Meyerhof, Wolfgang; Kaupp, U. Benjamin;
Lindemann, Bernd
CS Department of Physiology, Universitat des Saarlandes, Homburg, D-66421,
Germany
SO Nature (London, United Kingdom) (2001), 413(6856), 631-635
CODEN: NATUAS; ISSN: 0028-0836
PB Nature Publishing Group
DT Journal
LA English

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2001:728960 CAPLUS
DN 136:18306
TI The S4-S5 linker couples voltage sensing and activation of pacemaker
channels
AU Chen, Jun; Mitcheson, John S.; Tristani-Firouzi, Martin; Lin, Monica;
Sanguinetti, Michael C.
CS Department of Medicine, Division of Cardiology, Eccles Program in Human
Molecular Biology and Genetics, Eccles Institute of Human Genetics,
University of Utah, Salt Lake City, UT, 84112, USA
SO Proceedings of the National Academy of Sciences of the United States of
America (2001), 98(20), 11277-11282
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2001:598216 CAPLUS
DN 135:175338
TI Method for identifying substances which modulate the activity of
hyperpolarization-activated cation channels
IN Jansen, Hans-willi; Brueggemann, Andrea; Heitsch, Holger; Goegelein, Heinz
PA Aventis Pharma Deutschland G.m.b.H., Germany
SO PCT Int. Appl., 52 pp.
CODEN: PIXXD2

DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001059153	A2	20010816	WO 2001-EP755	20010124
	WO 2001059153	A3	20020411		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

DE 10006309 A1 20010823 DE 2000-10006309 20000212

EP 1257819 A2 20021120 EP 2001-951152 20010124
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
PRAI DE 2000-10006309 A 20000212
WO 2001-EP755 W 20010124

L5 ANSWER 13 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2001:590947 CAPLUS
DN 135:301401
TI Hyperpolarization-activated ***cyclic*** ***nucleotide*** -gated
channel 1 is a molecular determinant of the cardiac pacemaker current If
AU Moroni, Anna; Gorza, Luisa; Beltrame, Monica; Gravante, Biagio; Vaccari,
Thomas; Bianchi, Marco E.; Altomare, Claudia; Longhi, Renato; Heurteaux,
Catherine; Vitadello, Maurizio; Malgaroli, Antonio; DiFrancesco, Dario
CS Dipartimento di Fisiologia e Biochimica Generali, the Dipartimento di
Biologia, Universita degli Studi di Milano, Milan, 20133, Italy
SO Journal of Biological Chemistry (2001), 276(31), 29233-29241
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2001:505178 CAPLUS
DN 136:15499
TI The hyperpolarization-activated current If in ventricular myocytes of
non-transgenic and .beta.2-adrenoceptor overexpressing mice
AU Graf, Eva M.; Heubach, Jurgen F.; Ravens, Ursula
CS Medizinische Fakultat Carl Gustav Carus der Technischen Universitat
Dresden, Institut fur Pharmakologie und Toxikologie, Dresden, 01307,
Germany
SO Naunyn-Schmiedeberg's Archives of Pharmacology (2001), 364(2), 131-139
CODEN: NSAPCC; ISSN: 0028-1298
PB Springer-Verlag
DT Journal
LA English
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2001:476895 CAPLUS
DN 135:133561
TI Integrated allosteric model of voltage gating of HCN channels
AU Altomare, Claudia; Bucchi, Annalisa; Camatini, Eva; Baruscotti, Mirko;
Viscomi, Carlo; Moroni, Anna; DiFrancesco, Dario
CS Dipartimento di Fisiologia e Biochimica Generali, and INFN-Unita Milano
Universita, Milan, 20133, Italy
SO Journal of General Physiology (2001), 117(6), 519-532
CODEN: JGPLAD; ISSN: 0022-1295
PB Rockefeller University Press
DT Journal
LA English
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 16 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2001:402780 CAPLUS
DN 135:148705
TI Properties of hyperpolarization-activated pacemaker current defined by
coassembly of HCN1 and HCN2 subunits and basal modulation by
cyclic ***nucleotide***
AU Chen, Shan; Wang, Jing; Siegelbaum, Steven A.
CS Department of Pharmacology, Columbia University, New York, NY, 10032, USA
SO Journal of General Physiology (2001), 117(5), 491-503
CODEN: JGPLAD; ISSN: 0022-1295
PB Rockefeller University Press
DT Journal
LA English
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 17 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2001:230790 CAPLUS
DN 134:323902

TI Cellular expression and functional characterization of four hyperpolarization-activated pacemaker channels in cardiac neuronal tissues

AU Moosmang, Sven; Stieber, Juliane; Zong, Xiangang; Biel, Martin; Hofmann, Franz; Ludwig, Andreas

CS Institut für Pharmakologie und Toxikologie, Technische Universität München, München, 80802, Germany

SO European Journal of Biochemistry (2001), 268(6), 1646-1652
CODEN: EJBCAI; ISSN: 0014-2956

PB Blackwell Science Ltd.

DT Journal

LA English

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 18 OF 39 CAPLUS COPYRIGHT 2003 ACS

AN 2000:881425 CAPLUS

DN 134:27274

TI Cell-signaling assays using ***cyclic*** ***nucleotides*** coupled to luminophores

IN Sportsman, J. Richard; Kauvar, Lawrence M.

PA LJI Biosystems, Inc., USA

SO PCT Int. Appl., 64 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 17

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075662	A1	20001214	WO 2000-US16012	20000609
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6258326	B1	20010710	US 1998-156318	19980918
EP 1101113	A1	20010523	EP 2000-944641	20000609
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI US 1999-138311P	P	19990609		
US 2000-182036P	P	20000211		
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US 1997-59640P	P	19970920		
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RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 19 OF 39 CAPLUS COPYRIGHT 2003 ACS

AN 2000:840836 CAPLUS

DN 134:52923

TI Functional roles of charged residues in the putative voltage sensor of the HCN2 pacemaker channel

AU Chen, Jun; Mitcheson, John S.; Lin, Monica; Sanguinetti, Michael C.

CS Department of Medicine, Division of Cardiology and Eccles Program in Human Molecular Biology and Genetics, University of Utah, Salt Lake City, UT, 84112-5330, USA

SO Journal of Biological Chemistry (2000), 275(46), 36465-36471
CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 20 OF 39 CAPLUS COPYRIGHT 2003 ACS

AN 2000:567186 CAPLUS

DN 133:277577

TI Pacemaker oscillations in heart and brain: A key role for hyperpolarization-activated cation channels

AU Gauss, Renate; Seifert, Reinhard

CS Institut für Biologische Informationsverarbeitung, Forschungszentrum
Julich, Julich, D-52425, Germany
SO Chronobiology International (2000), 17(4), 453-469
CODEN: CHBIE4; ISSN: 0742-0528
PB Marcel Dekker, Inc.
DT Journal; General Review
LA English
RE.CNT 84 THERE ARE 84 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 21 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2000:552635 CAPLUS
DN 133:235831
TI Hyperpolarization-activated currents in presynaptic terminals of mouse
cerebellar basket cells
AU Southan, Andrew P.; Morris, Neil P.; Stephens, Gary J.; Robertson, Brian
CS Neuronal Excitability Group, Departments of Biochemistry and Biophysics,
Imperial College of Science, Technology and Medicine, London, SW7 2BZ, UK
SO Journal of Physiology (Cambridge, United Kingdom) (2000), 526(1), 91-97
CODEN: JPHYA7; ISSN: 0022-3751
PB Cambridge University Press
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 22 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2000:521176 CAPLUS
DN 133:220571
TI Molecular and functional heterogeneity of hyperpolarization-activated
pacemaker channels in the mouse CNS
AU Santoro, Bina; Chen, Shan; Luthi, Anita; Pavlidis, Paul; Shumyatsky, Gleb
P.; Tibbs, Gareth R.; Siegelbaum, Steven A.
CS Center for Neurobiology and Behavior, Columbia University, New York, NY,
10032, USA
SO Journal of Neuroscience (2000), 20(14), 5264-5275
CODEN: JNRSDS; ISSN: 0270-6474
PB Society for Neuroscience
DT Journal
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 23 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 2000:468579 CAPLUS
DN 133:175018
TI KCNA10: a novel ion channel functionally related to both voltage-gated
potassium and CNG cation channels
AU Lang, Rainer; Lee, George; Liu, Weimin; Tian, Shulan; Rafi, Hamid; Orias,
Marcelo; Segal, Alan S.; Desir, Gary V.
CS University of Vermont, Burlington, VT, 05446, USA
SO American Journal of Physiology (2000), 278(6, Pt. 2), F1013-F1021
CODEN: AJPHAP; ISSN: 0002-9513
PB American Physiological Society
DT Journal
LA English
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 24 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1999:784423 CAPLUS
DN 132:10951
TI Structure and function of cardiac pacemaker channels
AU Ludwig, Andreas; Zong, Xiangang; Hofmann, Franz; Biel, Martin
CS Institut Pharmakologie Toxikologie, Technische Univ. Munchen, Munich,
D-80802, Germany
SO Cellular Physiology and Biochemistry (1999), 9(4-5), 179-186
CODEN: CEPBEW; ISSN: 1015-8987
PB S. Karger AG
DT Journal; General Review
LA English
RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 25 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1999:494065 CAPLUS

DN 131:297718
TI Identification of a ***cyclic*** ***nucleotide*** - and
voltage-activated ion channel from insect antennae. [Erratum to document
cited in CA131:56622]
AU Krieger, Jurgen; Strobel, Jurgen; Vogl, Alexander; Hanke, Wolfgang; Breer,
Heinz
CS Institute Physiology, Univ. Stuttgart-Hohenheim, Stuttgart, 70599, Germany
SO Insect Biochemistry and Molecular Biology (1999), 29(7), 661
CODEN: IBMBES; ISSN: 0965-1748
PB Elsevier Science Ltd.
DT Journal
LA English

L5 ANSWER 26 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1999:396224 CAPLUS
DN 131:197353
TI The HCN gene family: molecular basis of the hyperpolarization-activated
pacemaker channels
AU Santoro, Bina; Tibbs, Gareth R.
CS Center for Neurobiology and Behavior, Columbia University, New York, NY,
10032, USA
SO Annals of the New York Academy of Sciences (1999), 868(Molecular and
Functional Diversity of Ion Channels and Receptors), 741-764
CODEN: ANYAA9; ISSN: 0077-8923
PB New York Academy of Sciences
DT Journal; General Review
LA English
RE.CNT 103 THERE ARE 103 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 27 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1999:302901 CAPLUS
DN 131:56622
TI Identification of a ***cyclic*** ***nucleotide*** - and
voltage-activated ion channel from insect antennae
AU Krieger, Jurgen; Strobel, Jurgen; Vogl, Alexander; Hanke, Wolfgang; Breer,
Heinz
CS Institute of Physiology, University of Stuttgart-Hohenheim, Stuttgart, 30
70599, Germany
SO Insect Biochemistry and Molecular Biology (1999), 29(3), 255-267
CODEN: IBMBES; ISSN: 0965-1748
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 28 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1999:181534 CAPLUS
DN 130:291688
TI The alternative: EDHF
AU Feletou, Michel; Vanhoutte, Paul M.
CS Institut de Recherches Servier, Suresnes, 92150, Fr.
SO Journal of Molecular and Cellular Cardiology (1999), 31(1), 15-22
CODEN: JMCDAJ; ISSN: 0022-2828
PB Academic Press
DT Journal; General Review
LA English
RE.CNT 120 THERE ARE 120 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 29 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1999:69442 CAPLUS
DN 130:263574
TI Hyperpolarization-activated cation channels: a multi-gene family
AU Biel, M.; Ludwig, A.; Zong, X.; Hofmann, F.
CS Institut für Pharmakologie und Toxikologie der Technischen Universität
München, München, D-80802, Germany
SO Reviews of Physiology, Biochemistry and Pharmacology (1999), 136, 165-181
CODEN: RPBEA5; ISSN: 0303-4240
PB Springer-Verlag
DT Journal; General Review
LA English
RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1998:389859 CAPLUS
DN 129:133878
TI Molecular identification of a hyperpolarization-activated channel in sea urchin sperm
AU Gauss, Renate; Seifert, Reinhard; Kaupp, U. Benjamin
CS Inst. Biol. Informationsverarbeitung, Forschungszent Julich, Julich, D-52425, Germany
SO Nature (London) (1998), 393(6685), 583-587
CODEN: NATUAS; ISSN: 0028-0836
PB Macmillan Magazines
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1998:379734 CAPLUS
DN 129:118547
TI Identification of a gene encoding a hyperpolarization-activated pacemaker channel of brain
AU Santoro, Bina; Liu, David T.; Yao, Huan; Bartsch, Dusan; Kandel, Eric R.; Siegelbaum, Steven A.; Tibbs, Gareth R.
CS Center for Neurobiology and Behavior, Columbia University, New York, NY, 10032, USA
SO Cell (Cambridge, Massachusetts) (1998), 93(5), 717-729
CODEN: CELLB5; ISSN: 0092-8674
PB Cell Press
DT Journal
LA English
RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1994:159847 CAPLUS
DN 120:159847
TI Release of ***cyclic*** ***nucleotides*** from the apical and basolateral poles of cultured human glomerular epithelial cells
AU Ardaillou, Nicole; Placier, Sandrine; Wahbe, Fayez; Ronco, Pierre; Ardaillou, Raymond
CS Hop. Tenon, Paris, Fr.
SO Experimental Nephrology (1993), 1(4), 253-60
CODEN: EXNEEG; ISSN: 1018-7782
DT Journal
LA English

L5 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1993:163576 CAPLUS
DN 118:163576
TI Structure and function of squid rhodopsin
AU Venien-Bryan, Catherine; Davies, Anthony; wilkinson, J. Richard; Langmack, Keith; Baverstock, Jenny; Nobes, Catherine; Saibil, Helen R.
CS Dep. Crystallogr., Birkbeck Coll. London, London, WC1E 7HX, UK
SO Colloque INSERM (1992), 221(Struct. Funct. Retinal Proteins), 55-8
CODEN: CINMDE; ISSN: 0768-3154
DT Journal
LA English

L5 ANSWER 34 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1989:72984 CAPLUS
DN 110:72984
TI Modification of contact ***polarization*** of amphibian embryonic cell under the influence of ***cyclic*** ***nucleotides***
AU Luchinskaya, N. N.; Ostroumova, T. V.
CS Biol. Fac., State Univ., Moscow, USSR
SO Ontogenez (1988), 19(6), 635-9
CODEN: ONGZAC; ISSN: 0475-1450
DT Journal
LA Russian

L5 ANSWER 35 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1986:510931 CAPLUS
DN 105:110931
TI Hydrolysis of ***cyclic*** ***nucleotides*** by a purified cGMP-stimulated phosphodiesterase: structural requirements for hydrolysis
AU Braumann, Thomas; Erneux, Christophe; Petridis, Georg; Stohrer, Wolf

Dieter; Jastorff, Bernd
CS Dep. Biol./Chem., Univ. Bremen, Bremen, D-2800/33, Fed. Rep. Ger.
SO Biochimica et Biophysica Acta (1986), 871(2), 199-206
CODEN: BBACAQ; ISSN: 0006-3002
DT Journal
LA English

L5 ANSWER 36 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1986:105787 CAPLUS
DN 104:105787
TI Spatial and temporal organization of intracellular adenine nucleotides and
cyclic ***nucleotides*** in relation to rhythmic motility in
Physarum plasmodium
AU Ueda, Tetsuo; Matsumoto, Kenji; Akitaya, Tatsuo; Kobatake, Yonosuke
CS Fac. Pharm. Sci., Hokkaido Univ., Sapporo, 060, Japan
SO Experimental Cell Research (1986), 162(2), 486-94
CODEN: ECREAL; ISSN: 0014-4827
DT Journal
LA English

L5 ANSWER 37 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1982:558670 CAPLUS
DN 97:158670
TI Calcium ion-dependent interaction of 5-dimethylaminonaphthalene-1-sulfonyl-
calmodulin with ***cyclic*** ***nucleotide*** phosphodiesterase,
calcineurin, and troponin I
AU Kincaid, Randall L.; Vaughan, Martha; Osborne, James C., Jr.; Tkachuk,
Vsevolod A.
CS Lab. Cell. Metab., Natl. Heart, Lung, and Blood Inst., Bethesda, MD,
20205, USA
SO Journal of Biological Chemistry (1982), 257(18), 10638-43
CODEN: JBCHA3; ISSN: 0021-9258
DT Journal
LA English

L5 ANSWER 38 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1982:557139 CAPLUS
DN 97:157139
TI Microinjection of ***cyclic*** ***nucleotides*** provides evidence
for a diffusional mechanism of intraneuronal control
AU Liberman, E. A.; Minina, S. V.; Shklovskii-Kordi, N. E.; Conrad, Michael
CS Inst. Probl. Inf. Transm., Moscow, USSR
SO BioSystems (1982), 15(2), 127-32
CODEN: BSYMBO; ISSN: 0303-2647
DT Journal
LA English

L5 ANSWER 39 OF 39 CAPLUS COPYRIGHT 2003 ACS
AN 1982:160637 CAPLUS
DN 96:160637
TI ***cyclic*** ***nucleotides*** regulate the morphologic
alterations required for chemotaxis in monocytes
AU Stephens, Christopher G.; Snyderman, Ralph
CS Med. Cent., Duke Univ., Durham, NC, 27710, USA
SO Journal of Immunology (1982), 128(3), 1192-7
CODEN: JOIMA3; ISSN: 0022-1767
DT Journal
LA English

=> file MEDLINE

=> s cyclic nucleotide

122576 CYCLIC

4 CYCLICS

122578 CYCLIC

(CYCLIC OR CYCLICS)

102706 NUCLEOTIDE

79040 NUCLEOTIDES

161056 NUCLEOTIDE

(NUCLEOTIDE OR NUCLEOTIDES)

L6 11749 CYCLIC NUCLEOTIDE

(CYCLIC(W)NUCLEOTIDE)

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14752 POLARIZATION

208 POLARIZATIONS

14864 POLARIZATION
(POLARIZATION POLARIZATIONS)

L7 15 L6 AND POLARIZATION

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L7 ANSWER 1 OF 15 MEDLINE
AN 2002484133 MEDLINE
DN 22231040 PubMed ID: 12269830
TI Communications between the high-affinity ***cyclic***
nucleotide binding sites in E. coli cyclic AMP receptor protein:
effect of single site mutations.
AU Lin Shwu-Hwa; Lee J Ching
CS Department of Human Biologic Chemistry and Genetics, The University of
Texas Medical Branch at Galveston, Galveston, TX 77555-1055, USA.
NC GM 45579 (NIGMS)
SO BIOCHEMISTRY, (2002 Oct 1) 41 (39) 11857-67.
Journal code: 0370623. ISSN: 0006-2960.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200211
ED Entered STN: 20020925
Last Updated on STN: 20021213
Entered Medline: 20021119

L7 ANSWER 2 OF 15 MEDLINE
AN 2002354392 MEDLINE
DN 22092178 PubMed ID: 12097184
TI A fluorescence ***polarization*** assay for ***cyclic***
nucleotide phosphodiesterases.
AU Huang Wei; Zhang Yan; Sportsman J Richard
CS Gilead Sciences Inc., Foster City, CA, USA.
SO J Biomol Screen, (2002 Jun) 7 (3) 215-22.
Journal code: 9612112. ISSN: 1087-0571.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200301
ED Entered STN: 20020707
Last Updated on STN: 20030117
Entered Medline: 20030116

L7 ANSWER 3 OF 15 MEDLINE
AN 95275893 MEDLINE
DN 95275893 PubMed ID: 7756324
TI Effects of peroxisomal beta-oxidation antagonist on 2',3'- ***cyclic***
- ***nucleotide*** 3'-phosphohydrolase, membrane lipid compositions,
and membrane fluidity in C-6 glial cells.
AU Saito M; Iimori Y; Kamoshita S; Yanagisawa M; Sakakihara Y
CS Department of Pediatrics, Faculty of Medicine, University of Tokyo, Japan.
SO BIOCHIMICA ET BIOPHYSICA ACTA, (1995 May 4) 1235 (2) 178-82.
Journal code: 0217513. ISSN: 0006-3002.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199506
ED Entered STN: 19950707
Last Updated on STN: 20020420
Entered Medline: 19950626

L7 ANSWER 4 OF 15 MEDLINE
AN 94363505 MEDLINE
DN 94363505 PubMed ID: 8081975
TI Release of ***cyclic*** ***nucleotides*** from the apical and
basolateral poles of cultured human glomerular epithelial cells.
AU Ardaillou N; Placier S; Wahbe F; Ronco P; Ardaillou R
CS INSERM 64, Hopital Tenon, Paris, France.
SO EXPERIMENTAL NEPHROLOGY, (1993 Jul-Aug) 1 (4) 253-60.
Journal code: 9302239. ISSN: 1018-7782.
CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
LA English

FS Priority Journals
EM 199410
ED Entered STN: 19941021
Last Updated on STN: 19941021
Entered Medline: 19941013

L7 ANSWER 5 OF 15 MEDLINE
AN 91225684 MEDLINE
DN 91225684 PubMed ID: 1851207
TI Phosphodiesterase of cone photoreceptors from the lizard, *Anolis carolinensis*.
AU Booth D P; Hurwitz R L; Lolley R N
CS Department of Anatomy, University of California School of Medicine, Los Angeles.
SO JOURNAL OF NEUROCHEMISTRY, (1991 Jun) 56 (6) 1949-56.
Journal code: 2985190R. ISSN: 0022-3042.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199106
ED Entered STN: 19910630
Last Updated on STN: 19970203
Entered Medline: 19910612

L7 ANSWER 6 OF 15 MEDLINE
AN 89159882 MEDLINE
DN 89159882 PubMed ID: 2466226
TI [Modification of the contact ***polarization*** of embryonic amphibian cells under the action of ***cyclic*** ***nucleotides***].
Modifikatsiia kontaktnoi poliarizatsii embrional'nykh kletok amfibii pod deistviem tsiklicheskikh nukleotidov.
AU Luchinskaia N N; Ostroumova T V
SO ONTOGENEZ, (1988 Nov-Dec) 19 (6) 635-9.
Journal code: 0341527. ISSN: 0475-1450.
CY USSR
DT Journal; Article; (JOURNAL ARTICLE)
LA Russian
FS Priority Journals
EM 198904
ED Entered STN: 19900306
Last Updated on STN: 19900306
Entered Medline: 19890420

L7 ANSWER 7 OF 15 MEDLINE
AN 88241024 MEDLINE
DN 88241024 PubMed ID: 2837278
TI Synthetic peptide analogues differentially alter the binding affinities of ***cyclic*** ***nucleotide*** dependent protein kinases for nucleotide substrates.
AU Bhatnagar D; Glass D B; Roskoski R Jr; Lessor R A; Leonard N J
CS U.S. Department of Agriculture-Agricultural Research Service, New Orleans, Louisiana 70179.
NC GM-05829 (NIGMS)
GM-28144 (NIGMS)
NS-15994 (NINDS)
SO BIOCHEMISTRY, (1988 Mar 22) 27 (6) 1988-94.
Journal code: 0370623. ISSN: 0006-2960.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198807
ED Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19880715

L7 ANSWER 8 OF 15 MEDLINE
AN 86216224 MEDLINE
DN 86216224 PubMed ID: 3011099
TI Hydrolysis of ***cyclic*** ***nucleotides*** by a purified cGMP-stimulated phosphodiesterase: structural requirements for hydrolysis.
AU Braumann T; Erneux C; Petridis G; Stohrer W D; Jastorff B
SO BIOCHIMICA ET BIOPHYSICA ACTA, (1986 Jun 5) 871 (2) 199-206.
Journal code: 0217513. ISSN: 0006-3002.
CY Netherlands

DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198607
ED Entered STN: 19900321
Last Updated on STN: 19970203
Entered Medline: 19860709

L7 ANSWER 9 OF 15 MEDLINE
AN 86174653 MEDLINE
DN 86174653 PubMed ID: 2421146
TI Sodium cotransport processes in renal epithelial cell lines.
AU Rabito C A
NC AM-27401 (NIADDK)
SO MINERAL AND ELECTROLYTE METABOLISM, (1986) 12 (1) 32-41. Ref: 59
Journal code: 7802196. ISSN: 0378-0392.

CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)

LA English
FS Priority Journals
EM 198604
ED Entered STN: 19900321
Last Updated on STN: 19970203
Entered Medline: 19860430

L7 ANSWER 10 OF 15 MEDLINE
AN 86108622 MEDLINE
DN 86108622 PubMed ID: 3943553
TI Spatial and temporal organization of intracellular adenine nucleotides and
cyclic ***nucleotides*** in relation to rhythmic motility in
Physarum plasmodium.

AU Ueda T; Matsumoto K; Akitaya T; Kobatake Y
SO EXPERIMENTAL CELL RESEARCH, (1986 Feb) 162 (2) 486-94.
Journal code: 0373226. ISSN: 0014-4827.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English

FS Priority Journals
EM 198603
ED Entered STN: 19900321
Last Updated on STN: 19900321
Entered Medline: 19860304

L7 ANSWER 11 OF 15 MEDLINE
AN 85205235 MEDLINE
DN 85205235 PubMed ID: 2987079
TI The effects of lidocaine and procainamide on the sarcolemmal membrane high
affinity cyclic AMP phosphodiesterase of rat myocardium.
AU Illiano G; Galderisi R; Di Donato A; Paolisso G; Draetta G F
SO GENERAL PHARMACOLOGY, (1985) 16 (2) 115-9.
Journal code: 7602417. ISSN: 0306-3623.

CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 198507
ED Entered STN: 19900320
Last Updated on STN: 19900320
Entered Medline: 19850722

L7 ANSWER 12 OF 15 MEDLINE
AN 83257841 MEDLINE
DN 83257841 PubMed ID: 6307438
TI [Current aspects of chemotaxis of phagocytic cells].
Aspects actuels de la chimiotaxie des cellules phagocytaires.
AU Frobert Y; Carraz M; Veyseyre C
SO BULLETIN EUROPEEN DE PHYSIOPATHOLOGIE RESPIRATOIRE, (1983 Mar-Apr) 19 (2)
111-3.
Journal code: 7605263. ISSN: 0395-3890.

CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)

LA French
FS Priority Journals
EM 198309
ED Entered STN: 19900319

Last Updated on STN: 19900319
Entered Medline: 19830909

L7 ANSWER 13 OF 15 MEDLINE
AN 83075381 MEDLINE
DN 83075381 PubMed ID: 6293554
TI Interaction of a fluorescent N-dansylaziridine derivative of troponin I
with calmodulin in the absence and presence of calcium.
AU Olwin B B; Keller C H; Storm D R
NC AI 00310 (NIAID)
GM-07270 (NIGMS)
HL 05933 (NHLBI)
SO BIOCHEMISTRY, (1982 Oct 26) 21 (22) 5669-75.
Journal code: 0370623. ISSN: 0006-2960.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198302
ED Entered STN: 19900317
Last Updated on STN: 19970203
Entered Medline: 19830225

L7 ANSWER 14 OF 15 MEDLINE
AN 82121163 MEDLINE
DN 82121163 PubMed ID: 6120193
TI ***cyclic*** ***nucleotides*** regulate the morphologic
alterations required for chemotaxis in monocytes.
AU Stephens C G; Snyderman R
SO JOURNAL OF IMMUNOLOGY, (1982 Mar) 128 (3) 1192-7.
Journal code: 2985117R. ISSN: 0022-1767.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 198204
ED Entered STN: 19900317
Last Updated on STN: 19950206
Entered Medline: 19820420

L7 ANSWER 15 OF 15 MEDLINE
AN 82023930 MEDLINE
DN 82023930 PubMed ID: 6269577
TI Preparation of a fluorescent-labeled derivative of calmodulin which
retains its affinity for calmodulin binding proteins.
AU LaPorte D C; Keller C H; Olwin B B; Storm D R
NC AI 00120 (NIAID)
HL 05933 (NHLBI)
HL 23606 (NHLBI)
SO BIOCHEMISTRY, (1981 Jul 7) 20 (14) 3965-72.
Journal code: 0370623. ISSN: 0006-2960.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198112
ED Entered STN: 19900316
Last Updated on STN: 19970203
Entered Medline: 19811221

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=> S L8 AND polarization
39 FILES SEARCHED...
L9 1289 L8 AND POLARIZATION

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L11 267 L10 AND ASSAY

=> S L11 AND ansiotropy
48 FILES SEARCHED...
L12 0 L11 AND ANSIOTROPY

=> S L11 AND anisotropy
47 FILES SEARCHED...
L13 24 L11 AND ANISOTROPY

=> D L13 1-24

L13 ANSWER 1 OF 24 CAPLUS COPYRIGHT 2003 ACS
AN 2000:881425 CAPLUS
DN 134:27274
TI Cell-signaling ***assays*** using cyclic nucleotides coupled to
luminophores
IN Sportsman, J. Richard; Kauvar, Lawrence M.
PA LJI Biosystems, Inc., USA
SO PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 17
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000075662 A1 20000214 WO 2000-US16012 20000009
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
US 6258326 B1 20010710 US 1998-156318 19980918
EP 1101113 A1 20010523 EP 2000-944641 20000609

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, PT, IE,
SI, LT, LV, FI, RO

PRAI US 1999-138311P P 19990609
US 2000-182036P P 20000211
US 2000-200594P P 20000428
US 1997-59640P P 19970920
US 1998-85500P P 19980514
US 1998-89848P P 19980619
WO 2000-US16012 W 20000609

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 24 FEDRIP COPYRIGHT 2003 NTIS
AN 2003:159137 FEDRIP
NR CRISP 5R01DK50014-07
TI TRANSCRIPTIONAL COACTIVATORS IN ENDOCRINE REGULATION
SF Principal Investigator: GOODMAN, RICHARD H; OREGON HEALTH SCIENCES UNIV,
3181 SW SAM JACKSON PARK ROAD, PORTLAND, OR 97201-3098
CSP OREGON HEALTH & SCIENCE UNIVERSITY, PORTLAND, OREGON
CSS Supported By: NAT INST OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES
FYR 2001
FU Noncompeting Continuation (Type 5)
FS National Institutes of Health

L13 ANSWER 3 OF 24 USPATFULL
AN 2003:24325 USPATFULL
TI Lipid matrix-assisted chemical ligation and synthesis of membrane
polypeptides
IN Kochendoerfer, Gerd G., Oakland, CA, UNITED STATES
Hunter, Christie L., San Francisco, CA, UNITED STATES
Kent, Stephen B.H., San Francisco, CA, UNITED STATES
Botti, Paolo, San Francisco, CA, UNITED STATES
PI US 2003018169 A1 20030123
AI US 2002-207330 A1 20020730 (10)
RLI Division of Ser. No. US 1999-384302, filed on 26 Aug 1999, GRANTED, Pat.
No. US 6451543
DT Utility
FS APPLICATION
LN.CNT 3977
INCL INCLM: 530/350.000
INCLS: 530/408.000; 530/409.000
NCL NCLM: 530/350.000
NCLS: 530/408.000; 530/409.000
IC [7]
ICM: C07K014-705
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 4 OF 24 USPATFULL
AN 2003:6799 USPATFULL
TI Nucleic acid ligand diagnostic biochip
IN Gold, Larry, Boulder, CO, United States
Drolet, Dan, Boulder, CO, United States
Zichi, Dom, Boulder, CO, United States
Jayasena, Sumedha, Boulder, CO, United States
Creighton, Steve, Denver, CO, United States
Gill, Stanley, Boulder, CO, United States4)
PA SomaLogic, Inc., Boulder, CO, United States (U.S. corporation)
PI US 6503715 B1 20030107
AI US 2000-723394 20001128 (9)
RLI Division of Ser. No. US 1997-990436, filed on 15 Dec 1997, now patented,
Pat. No. US 6242246
DT Utility
FS GRANTED

LN.CNT 1193
INCL INCLM: 435/006.000
INCLS: 435/287.200; 435/288.700; 435/091.100; 435/091.200; 435/174.000;
422/068.100; 536/023.100; 536/024.300; 536/025.400
NCL NCLM: 435/006.000
NCLS: 435/287.200; 435/288.700; 435/091.100; 435/091.200; 435/174.000;
422/068.100; 536/023.100; 536/024.300; 536/025.400
IC [7]
ICM: C12Q001-68
ICS: C12M001-36; G01N015-06; C07H021-04; C12P019-34
EXF 435/6; 435/91.2; 435/287.1; 435/288.7; 435/174; 435/91.1; 536/23.1;
536/24.3; 536/25.4; 422/68.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 5 OF 24 USPATFULL
AN 2002:343880 USPATFULL
TI Compositions and methods for monitoring the modification of modification
dependent binding partner polypeptides
IN Craig, Roger, Smallwood, UNITED KINGDOM
PI US 2002197606 A1 20021226
AI US 2001-770102 A1 20010125 (9)
PRAI US 2000-179283P 20000131 (60)
DT Utility
FS APPLICATION
LN.CNT 3550
INCL INCLM: 435/006.000
NCL NCLM: 435/006.000
IC [7]
ICM: C12Q001-68
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 6 OF 24 USPATFULL
AN 2002:301143 USPATFULL
TI High throughput method for functionally classifying proteins identified
using a genomics approach
IN Pantoliano, Michael W., Avondale, PA, UNITED STATES
Salemme, F. Raymond, Yardley, PA, UNITED STATES
Carver, Theodore E., JR., Thorndale, PA, UNITED STATES
PI US 2002168686 A1 20021114
AI US 2002-57940 A1 20020129 (10)
RLI Continuation of Ser. No. US 1998-190128, filed on 12 Nov 1998, PENDING
PRAI US 1997-65129P 19971112 (60)
DT Utility
FS APPLICATION
LN.CNT 2507
INCL INCLM: 435/007.100
INCLS: 436/518.000; 702/019.000
NCL NCLM: 435/007.100
NCLS: 436/518.000; 702/019.000
IC [7]
ICM: G01N033-53
ICS: G06F019-00; G01N033-48; G01N033-543
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 7 OF 24 USPATFULL
AN 2002:281665 USPATFULL
TI Circularly permuted fluorescent protein indicators
IN Tsien, Roger Y., La Jolla, CA, UNITED STATES
Baird, Geoffrey, San Diego, CA, UNITED STATES
PI US 2002157120 A1 20021024
AI US 2001-999745 A1 20011023 (9)
RLI Continuation-in-part of Ser. No. US 1999-316920, filed on 21 May 1999,
PENDING
PRAI WO 2000-US13684 20000517
DT Utility
FS APPLICATION
LN.CNT 3477
INCL INCLM: 800/008.000
INCLS: 530/350.000; 435/069.100; 435/325.000; 435/320.100; 435/252.300;
536/023.500
NCL NCLM: 800/008.000
NCLS: 530/350.000; 435/069.100; 435/325.000; 435/320.100; 435/252.300;
536/023.500
IC [7]
ICM: A01K067-00
ICS: C07H021-04; C07K014-435; C12P021-02; C12N001-21; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 8 OF 24 USPATFULL
AN 2002:254184 USPATFULL
TI Nucleic acid ligand diagnostic biochip
IN Gold, Larry, Boulder, CO, United States
Drolet, Dan, Boulder, CO, United States
Zichi, Dom, Boulder, CO, United States
Jayasena, Sumedha, Boulder, CO, United States
Creighton, Steve, Denver, CO, United States
Gill, Stanley, Boulder, CO, United States4)
SomaLogic, Incorporated, Boulder, CO, United States (U.S. corporation)
PI US 6458543 B1 20021001
AI US 2000-723517 20001128 (9)
RLI Division of Ser. No. US 1997-990436, filed on 15 Dec 1997, now patented,
Pat. No. US 6242246
DT Utility
FS GRANTED
LN.CNT 1186
INCL INCLM: 435/006.000
INCLS: 435/287.200; 435/287.100; 435/091.100; 435/091.200; 435/174.000;
422/068.100; 536/023.100; 536/024.300; 536/025.400
NCL NCLM: 435/006.000
NCLS: 422/068.100; 435/091.100; 435/091.200; 435/174.000; 435/287.100;
435/287.200; 536/023.100; 536/024.300; 536/025.400
IC [7]
ICM: C12Q001-68
ICS: C12M001-36; G01N015-06; C07H021-04; C12P019-34
EXF 435/6; 435/287.2; 435/91.2; 435/287.1; 435/91.1; 435/174; 536/23.1;
536/25.4; 536/24.3; 422/68.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 9 OF 24 USPATFULL
AN 2002:244097 USPATFULL
TI Classification of polypeptides by ligand geometry and related methods
IN Sem, Daniel S., San Diego, CA, UNITED STATES
Hansen, Mark, San Diego, CA, UNITED STATES
PI US 2002133296 A1 20020919
AI US 2000-747174 A1 20001222 (9)
DT Utility
FS APPLICATION
LN.CNT 5545
INCL INCLM: 702/019.000
INCLS: 530/388.100
NCL NCLM: 702/019.000
NCLS: 530/388.100
IC [7]
ICM: G06F019-00
ICS: G01N033-48; G01N033-50

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 10 OF 24 USPATFULL
AN 2002:238830 USPATFULL
TI Lipid matrix-assisted chemical ligation and synthesis of membrane
polypeptides
IN Kochendoerfer, Gerd. G., Oakland, CA, United States
Hunter, Christie L., San Francisco, CA, United States
Kent, Stephen B. H., San Francisco, CA, United States
Botti, Paolo, San Francisco, CA, United States
PA Gryphon Sciences, South San Francisco, CA, United States (U.S.
corporation)
PI US 6451543 B1 20020917
AI US 1999-384302 19990826 (9)
RLI Continuation-in-part of Ser. No. US 1999-263971, filed on 5 Mar 1999,
now abandoned Continuation-in-part of Ser. No. US 1998-144964, filed on
31 Aug 1998, now abandoned
DT Utility
FS GRANTED
LN.CNT 3940
INCL INCLM: 435/007.100
INCLS: 435/007.100; 435/870.000; 530/359.000; 530/400.000; 530/334.000;
530/402.000; 530/404.000; 530/408.000; 436/087.000; 436/088.000;
436/089.000; 436/090.000; 436/501.000; 436/544.000; 424/450.000
NCL NCLM: 435/007.100
NCLS: 424/450.000; 435/870.000; 436/087.000; 436/088.000; 436/089.000;
436/090.000; 436/501.000; 436/544.000; 530/334.000; 530/359.000;

530/400.000; 530/402.000; 530/404.000; 530/408.000

IC [7]
ICM: G01N033-53
EXF 530/359; 530/400; 530/334; 530/402; 530/404; 530/408; 436/87; 436/88;
436/89; 436/90; 436/501; 436/544; 435/810; 435/701; 424/450
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 11 OF 24 USPATFULL
AN 2002:235541 USPATFULL
TI Sea-trosy and related methods
IN Sem, Daniel S., San Diego, CA, UNITED STATES
Pellecchia, Maurizio, San Diego, CA, UNITED STATES
PI US 2002127731 A1 20020912
AI US 2001-32140 A1 20011219 (10)
PRAI US 2000-258621P 20001221 (60)
US 2001-263475P 20010122 (60)
DT Utility
FS APPLICATION
LN.CNT 1272
INCL INCLM: 436/086.000
INCLS: 436/085.000; 436/173.000
NCL NCLM: 436/086.000
NCLS: 436/085.000; 436/173.000
IC [7]
ICM: G01N033-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 12 OF 24 USPATFULL
AN 2002:168052 USPATFULL
TI System for cell-based screening
IN Giuliano, Kenneth, 351 Hawthorne Rd., Pittsburgh, PA, United States
15209
Kapur, Ravi, 2942 E. Bardoneer Rd., Gibsonia, PA, United States 15044
PI US 6416959 B1 20020709
AI US 2000-513783 20000225 (9)
RLI Continuation-in-part of Ser. No. US 1999-430656, filed on 29 Oct 1999
Continuation-in-part of Ser. No. US 1999-398965, filed on 17 Sep 1999
Continuation-in-part of Ser. No. US 1999-352171, filed on 12 Jul 1999
Continuation-in-part of Ser. No. US 1998-31271, filed on 27 Feb 1998
Continuation-in-part of Ser. No. US 1997-810983, filed on 27 Feb 1997,
now patented, Pat. No. US 5989835
PRAI US 1999-122152P 19990226 (60)
US 1999-123399P 19990308 (60)
US 1999-151797P 19990831 (60)
US 1999-168408P 19991201 (60)
DT Utility
FS GRANTED
LN.CNT 10972
INCL INCLM: 435/007.200
INCLS: 435/007.210; 435/029.000; 435/040.500; 435/040.510; 435/288.300;
435/288.400; 436/546.000; 436/172.000; 436/800.000; 436/809.000;
356/300.000; 356/326.000; 356/328.000; 382/255.000; 382/141.000;
250/201.300; 348/345.000
NCL NCLM: 435/007.200
NCLS: 250/201.300; 348/345.000; 356/300.000; 356/326.000; 356/328.000;
382/141.000; 382/255.000; 435/007.210; 435/029.000; 435/040.500;
435/040.510; 435/288.300; 435/288.400; 436/172.000; 436/546.000;
436/800.000; 436/809.000
IC [7]
ICM: G01N033-533
EXF 435/7.2; 435/7.21; 435/29; 435/40; 435/5; 435/40.51; 435/288.3;
435/288.4; 436/546; 436/172; 436/800; 436/809; 356/300; 356/326;
356/328; 382/255; 382/141; 250/201.3; 348/345
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 13 OF 24 USPATFULL
AN 2002:152405 USPATFULL
TI Optical probes and ***assays***
IN Pollok, Brian A., San Diego, CA, United States
Hamman, Brian D., Poway, CA, United States
Rodems, Steven M., Poway, CA, United States
Makings, Lewis R., Encinitas, CA, United States
PA Aurora Biosciences Corporation, San Diego, CA, United States (U.S.
corporation)
PI US 6410255 B1 20020625
AI US 1999-306542 19990505 (9)

DT Utility
FS GRANTED
LN.CNT 3131
INCL INCLM: 435/023.000
INCLS: 435/021.000
NCL NCLM: 435/023.000
NCLS: 435/021.000
IC [7]
ICM: C12Q001-37
ICS: C12Q001-42
EXF 435/23; 435/21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 14 OF 24 USPATFULL
AN 2002:99100 USPATFULL
TI MODULAR PROTEIN LIBRARIES AND METHODS OF PREPARATION
IN SIANI, MICHAEL A., SAN FRANCISCO, CA, UNITED STATES
WILKEN, JILL, SAN FRANCISCO, CA, UNITED STATES
SIMON, REYNA, LOS GATOS, CA, UNITED STATES
KENT, STEPHEN B.H., SAN FRANCISCO, CA, UNITED STATES
PI US 2002051996 A1 20020502
AI US 1998-144838 A1 19980831 (9)
PRAI US 1997-57620P 19970904 (60)
DT Utility
FS APPLICATION
LN.CNT 2216
INCL INCLM: 435/007.100
INCLS: 435/004.000; 530/350.000; 530/324.000
NCL NCLM: 435/007.100
NCLS: 435/004.000; 530/350.000; 530/324.000
IC [7]
ICM: C12Q001-00
ICS: G01N033-53; C07K014-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 15 OF 24 USPATFULL
AN 2002:48262 USPATFULL
TI Methods and compositions for producing morphogen analogs
IN Keck, Peter C., Millbury, MA, UNITED STATES
Griffith, Diana L., Weston, MA, UNITED STATES
Carlson, William D., Weston, MA, UNITED STATES
Rueger, David C., Hopkinton, MA, UNITED STATES
Sampath, Kuber T., Medway, MA, UNITED STATES
PI US 2002028453 A1 20020307
AI US 2001-791946 A1 20010222 (9)
RLI Continuation of Ser. No. US 1997-786284, filed on 22 Jan 1997, GRANTED,
Pat. No. US 6273598 Continuation-in-part of Ser. No. US 1996-589552,
filed on 22 Jan 1996, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 2974
INCL INCLM: 435/006.000
INCLS: 702/019.000; 514/002.000
NCL NCLM: 435/006.000
NCLS: 702/019.000; 514/002.000
IC [7]
ICM: C12Q001-68
ICS: G06F019-00; G01N033-48; G01N033-50; A61K038-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 16 OF 24 USPATFULL
AN 2002:12291 USPATFULL
TI Luminescence ***polarization*** ***assays***
IN Sportsman, J. Richard, Palo Alto, CA, UNITED STATES
Kauvar, Lawrence M., San Francisco, CA, UNITED STATES
PA LJI BioSystems, Inc. (U.S. corporation)
PI US 2002006671 A1 20020117
AI US 2001-770724 A1 20010125 (9)
RLI Continuation of Ser. No. WO 2000-US15774, filed on 9 Jun 2000, UNKNOWN
PRAI US 1999-138311P 19990609 (60)
DT Utility
FS APPLICATION
LN.CNT 826
INCL INCLM: 436/518.000
INCLS: 435/007.100; 530/334.000
NCL NCLM: 436/518.000

IC NCLS: 435/007.100; 530/234.000
[7]
ICM: G01N033-53
ICS: C07K001-04; G01N033-543
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 17 OF 24 USPATFULL
AN 2001:220829 USPATFULL
TI Quantitative detection of macromolecules with fluorescent
oligonucleotides
IN Royer, Catherine A., Madison, WI, United States
PA PanVera Corporated, Madison, WI, United States (U.S. corporation)
PI US 6326142 B1 20011204
AI US 1998-30872 19980218 (9)
RLI Continuation of Ser. No. US 1995-516331, filed on 17 Aug 1995, now
patented, Pat. No. US 5756292 Continuation of Ser. No. US 1992-980283,
filed on 23 Nov 1992, now patented, Pat. No. US 5445935
DT Utility
FS GRANTED
LN.CNT 836
INCL INCLM: 435/006.000
INCLS: 530/350.000; 536/026.600
NCL NCLM: 435/006.000
NCLS: 530/350.000; 536/026.600
IC [7]
ICM: C12Q001-68
EXF 435/6; 435/7.1; 536/26.6; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 18 OF 24 USPATFULL
AN 2001:176368 USPATFULL
TI Selection of peptides with antibody-like properties
IN Kodadek, Thomas J., Dallas, TX, United States
PI US 2001029024 A1 20011011
AI US 2001-780575 A1 20010209 (9)
PRAI US 2000-182060P 20000211 (60)
DT Utility
FS APPLICATION
LN.CNT 2366
INCL INCLM: 435/007.100
INCLS: 530/388.100
NCL NCLM: 435/007.100
NCLS: 530/388.100
IC [7]
ICM: G01N033-53
ICS: C07K016-18; C12P021-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 19 OF 24 USPATFULL
AN 2001:130327 USPATFULL
TI Computer system and methods for producing morphogen analogs of human
OP-1
IN Keck, Peter C., Millbury, MA, United States
Griffith, Diana L., Weston, MA, United States
Carlson, William D., Weston, MA, United States
Rueger, David C., Hopkinton, MA, United States
Sampath, Kuber T., Medway, MA, United States
PA Creative BioMolecules, Inc., Boston, MA, United States (U.S.
corporation)
PI US 6273598 B1 20010814
AI US 1997-786284 19970122 (8)
RLI Continuation-in-part of Ser. No. US 1996-589552, filed on 22 Jan 1996,
now abandoned
DT Utility
FS GRANTED
LN.CNT 2947
INCL INCLM: 364/578.000
INCLS: 364/496.000; 364/497.000; 364/499.000; 702/019.000; 702/022.000;
702/027.000; 378/073.000
NCL NCLM: 702/019.000
NCLS: 378/073.000; 702/022.000; 702/027.000
IC [7]
ICM: G06G007-48
ICS: G01N015-00; G01N023-207; G06F017-00
EXF 364/496-499; 364/578; 702/19; 702/22; 702/27; 378/73
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 20 OF 24 USPATFUL
AN 2001:91499 USPATFULL
TI HIGH THROUGHPUT METHOD FOR FUNCTIONALLY CLASSIFYING PROTEINS IDENTIFIED
USING A GENOMICS APPROACH
IN PANTOLIANO, MICHAEL W., AVONDALE, PA, United States
SALEMME, F. RAYMOND, YARDLEY, PA, United States
CARVER, THEODORE E., JR., THORNDALE, PA, United States
PI US 2001003648 A1 20010614
AI US 1998-190128 A1 19981112 (9)
PRAI US 1997-65129P 19971112 (60)
DT Utility
FS APPLICATION
LN.CNT 2511
INCL INCLM: 435/004.000
INCLS: 530/350.000; 435/007.100
NCL NCLM: 435/004.000
NCLS: 530/350.000; 435/007.100
IC [7]
ICM: C07K001-00
ICS: C07K014-00; C07K017-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 21 OF 24 USPATFULL
AN 2001:82571 USPATFULL
TI Nucleic acid ligand diagnostic Biochip
IN Gold, Larry, Boulder, CO, United States
Drolet, Dan, Boulder, CO, United States
Zichi, Dom, Boulder, CO, United States
Jayasena, Sumedha, Boulder, CO, United States
Creighton, Steve, Denver, CO, United States
Gill, Stanley, Boulder, CO, United States4)
PA SomaLogic, Inc., Boulder, CO, United States (U.S. corporation)
PI US 6242246 B1 20010605
AI US 1997-990436 19971215 (8)
DT Utility
FS Granted
LN.CNT 1214
INCL INCLM: 435/287.100
INCLS: 435/287.200; 435/091.100; 435/006.000; 435/194.000; 536/024.300;
536/023.100; 536/025.400
NCL NCLM: 435/287.100
NCLS: 435/006.000; 435/091.100; 435/194.000; 435/287.200; 536/023.100;
536/024.300; 536/025.400
IC [7]
ICM: C12M001-36
ICS: C12P019-34; C12Q001-68; C07H021-04
EXF 435/287.1; 435/287.2; 435/91.1; 435/6; 435/194; 436/94; 536/24.3;
536/23.1; 536/25.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 22 OF 24 USPATFULL
AN 1998:108278 USPATFULL
TI High affinity mutants of nuclear factor-interleukin 6 and methods of use
therefor
IN Brasier, Allan R., Galveston, TX, United States
PA Board of Regents, The University of Texas System, Austin, TX, United
States (U.S. corporation)
PI US 5804445 19980908
AI US 1996-585197 19960111 (8)
DT Utility
FS Granted
LN.CNT 2246
INCL INCLM: 435/375.000
INCLS: 435/243.000; 435/325.000; 530/324.000
NCL NCLM: 435/375.000
NCLS: 435/243.000; 435/325.000; 530/324.000
IC [6]
ICM: C07K014-435
ICS: C12N001-20; C12N015-85
EXF 530/324; 514/2; 514/44; 435/375; 435/325; 435/243; 424/93.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 23 OF 24 USPATFULL
AN 1998:57717 USPATFULL
TI Quantitative detection of macromolecules with fluorescent

oligonucleotides
IN Royer, Catherine A., Madison, WI, United States
PA R-P Technologies, Inc., Madison, WI, United States (U.S. Corporation)
PI US 5756292 19980526
AI US 1995-516331 19950817 (8)
RLI Continuation of Ser. No. US 1992-980283, filed on 23 Nov 1992, now
patented, Pat. No. US 5445935
DT Utility
FS Granted
LN.CNT 1022
INCL INCLM: 435/006.000
INCLS: 935/086.000; 250/372.000; 356/032.000; 356/051.000; 356/327.000;
356/364.000
NCL NCLM: 435/006.000
NCLS: 250/372.000; 356/032.000; 356/051.000; 356/327.000; 356/364.000
IC [6]
ICM: C12Q001-68
EXF 435/6; 935/86; 250/372; 356/32; 356/33; 356/34; 356/35.5; 356/51;
356/327; 356/364; 356/366; 356/367; 356/368
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 24 OF 24 USPATFULL
AN 95:78075 USPATFULL
TI Quantitative detection of macromolecules with fluorescent
oligonucleotides
IN Royer, Catherine A., 424 Hillington way, Madison, WI, United States
53705
PI US 5445935 19950829
AI US 1992-980283 19921123 (7)
DT Utility
FS Granted
LN.CNT 929
INCL INCLM: 435/006.000
INCLS: 935/086.000; 250/372.000
NCL NCLM: 435/006.000
NCLS: 250/372.000
IC [6]
ICM: C12Q001-68
EXF 435/6; 436/94; 436/501; 436/503; 436/6
STN INTERNATIONAL LOGOFF AT 12:29:02 ON 17 MAR 2003